

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**LISTING OF CLAIMS:**

1. (Currently Amended) A catalyst ~~formulation~~ composition which comprises a ceramic foam material interspersed between solid catalyst particles.

2. (Original) The catalyst composition of claim 1, wherein the ceramic foam material is comprised of a silicon carbide composition.

3. (Original) The catalyst composition of claim 1, wherein the ceramic foam material is in the shape of hollow cubes.

4. (Original) The catalyst composition of claim 1, wherein the porosity of the ceramic foam material is in the range of from 10 to 800 pores per linear inch.

5. (Original) The catalyst composition of claim 4, wherein the porosity is within the range of 10 to 80 pores per linear inch.

6. (Original) The catalyst composition of claim 4, wherein the porosity is in the range of 10 to 30 pores per linear inch.

7. (Original) The catalyst composition of claim 1, wherein the void space in the ceramic foam material ranges from about 80 to about 85 volume %.

8. (Original) The catalyst composition of claim 7, wherein the void space is about 85 volume %.

9. (Original) The catalyst composition of claim 1, wherein the crush strength of the ceramic foam material ranges from 100 to 600 lbs/sq. inch.

10. (Original) The catalyst composition of claim 9, wherein the crush strength of the ceramic foam material ranges from 400 to 500 lbs/sq. inch.

11. (Original) The catalyst composition of claim 1, wherein the percentage of ceramic foam material in the mixture, based on volume, ranges from 20 to 60%.

13. (Original) The catalyst composition of claim 1, wherein the solid catalyst particles comprise diatomaceous earth.

14. (Original) The catalyst composition of claim 1, wherein the solid catalyst particles comprise a solid phosphoric acid catalyst.

15. (Original) The catalyst composition of claim 14, wherein the solid catalyst particles comprise a diatomaceous earth impregnated with phosphoric acid.

Claims 16-37 (Canceled).